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have agreed on an estimate of direct military consumption of engage in the Fire-Soviet Bloc of 120,000 metric tone in 1976. OTH estimates that direct military consumption of copper was about the same in 1977. Here was also agreed that direct military consumption of copper understates the role of copper in the Bloc's military programs; e.g., large quantities of copper are used for communications facilities.

- egree that if the Bloc were to mobilize, total military requirements would be 355,000 tens or some 70 percent of total indigenous supply. This is so large a proportion of the swellable supply that it is inconceivable that the whole secont could be diverted from general industrial uses. Some of the military requirements obviously would have to go unfilled.
- 3. Information on the direct silitary consumption of nickel in the UKER is not available. Inserved as nickel enters into consumption principally via the steel industry, its demand is closely related to the production of steel. On the basis of the smallsbility of nickel in 1956, the Sinctoviet Bloc had only 1.2 pounds of nickel per ton of steel produced. In the Free World, there were 2.0 pounds of nickel per ton of steel produced, and in the U.S. 2.2 pounds per ton.
- 4. Nulto-dollar ratios and aggerous reports of Bloc attempts to sample mickel from the Free World suggest that mickel is in tight supply in the INSE. The ruble-dollar rutlo for steel will products in the UNSE is 6 to 1, but the ratio for nickel is 16 to 1. Nickel has been amogaled into the Bloc by concealment of the shipment unfor a non-strategic item (i.e. vegetables) or by concenhent in compartments of trucks or eutomobiles. stray other techniques. The goods were then asserbed scross verious border points into Suiteerland for trepeshipment to the Ricc via Austria and/or Yespolevia, or from West Berlin to the Soviet Zone of Comment. Other reported diversions in 1936 and 1937 included: (1) a series of 23 known shipments of nickel, comprising 70 tons, shipped to the Soviet Bloc in Freight care from Sweden via the free port of Basel: (2) a 14-ton shipment from Sweden to Docksork and from there on a Danish railless car by ferry to Past Cornery documented for a Cornerating firm in Basel; (3) 8 tons of U.S. origin michel cathodes diverted through the use of formed Turnelsvinn official and-use certificates. A stailer 15-ton chimment of U.S. origin cathodes supported by formed hypolovian official end-use certificates was viceped in the letterlands.

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5. On the backs of these date, it is concluded that the Bloc is short of mickel, and that all consumers including the military are forced to manage with minimum supplies. Any increases in the swallebility of mickel probably would premit greater use of mickel in military and items.

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Metribution:

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